

1 What is claimed is:

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3 1. A method for applying information to an appliance via both a mobile device
4 and a computer system, the information being stored in a sub-computer
5 system, the method comprising the following steps:

6 designating the information to be processed and the appliance to which
7 the information is to be applied as instructions in the mobile device;

8 transmitting the instructions from the mobile device to the computer
9 system via a first communication network;

10 polling the computer system by the sub-computer system via both a
11 second communication network and a firewall;

12 transmitting the information from the sub-computer system to the
13 computer system via the second communication network due to the polling
14 by the sub-computer system, if the instructions from the mobile device are
15 present in the computer system;

16 converting the information to formatted information suitable for the
17 appliance according to the instructions;

18 transmitting the formatted information from the computer system to the
19 appliance via a third communication network; and

20 applying the formatted information to the appliance for processing
21 according to the instructions.

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23 2. The method according to claim 1, wherein the step of transmitting the
24 formatted information from the computer system to the appliance
25 comprises:

26 polling the computer system by an appliance server via both the third
27 communication network and a further firewall;

28 transmitting the formatted information from the computer system to the
29 appliance server via both the third communication network and the further
30 firewall due to polling by the appliance server, if the formatted information is
31 present in the computer system; and

1 transmitting the formatted information from the appliance server to the
2 appliance according to the instructions.

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4 3. The method according to claim 1, wherein the step of formatting the
5 information to the formatted information is executed from an appliance
6 server.

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8 4. The method according to claim 1, wherein a plurality of appliances is
9 connected to the computer system, the mobile device further designating
10 the appliance among said plurality of appliances in the instructions.

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12 5. The method according to claim 4, wherein said plurality of appliances is
13 registered in the computer system.

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15 6. The method according to claim 4, wherein the mobile device designates the
16 appliance by specifying the appliance identity in the instructions.

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18 7. The method according to claim 1, wherein the mobile device designates the
19 information by incorporating the location of the information in the sub-
20 computer system into the instructions.

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22 8. The method according to claim 1, wherein the first communication network
23 includes a gateway with which the mobile device communicates by using
24 standard telecommunication protocols, and the gateway converts the
25 instructions to a format which the computer system understands.

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27 9. The method according to claim 1, wherein the appliance is a printer, and the
28 computer system converts the information to a print job in a format suitable
29 for printing.

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31 10. The method according to claim 9, wherein the computer system converts
32 the information to a PDL format for printing.

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2 11. A computer system which allows a user of a mobile device to apply
3 information stored in a sub-computer system to an appliance designated by
4 the mobile device, wherein the sub-computer system and the appliance are
5 connected to the computer system, the computer system comprising:

6 a first interface for receiving instructions from the mobile device via a
7 first communication network, wherein the instructions designate the
8 information to be processed and the appliance to which the information is to
9 be applied;

10 a second interface for receiving polling signals from the sub-computer
11 system and for receiving the information sent from the sub-computer system
12 according to the instructions via a second communication network and a
13 firewall;

14 a third interface for sending the information to the appliance via a third
15 communication network; and

16 a server computer system connected to the first interface, the second
17 interface and the third interface, for processing and storing the instructions,
18 for receiving the information, and further for sending the information to the
19 appliance for processing.

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21 12. The computer system according to claim 11, wherein the third interface
22 receives polling signals from an appliance server protect by a further
23 firewall, and wherein the server computer system sends the information via
24 the third communication network, via the further firewall and via the
25 appliance server to the appliance for processing, if the appliance server
26 polls for information stored in the server computer system.

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28 13. The computer system according to claim 11, wherein a part of the first
29 communication network and a part of the second communication network
30 and/or a part of the third communication network or, alternatively, a part of
31 the second communication network and a part of the third communication
32 network share a part of one common communication network.

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2 14. The computer system according to claim 11, wherein the mobile device
3 designates the information by incorporating the location of the information
4 into the instructions such that the sub-computer system is capable of
5 sending the information.

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7 15. The computer system according to claim 11, wherein the server computer
8 system converts the information to a format suitable for the appliance.

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10 16. The computer system according to claim 15, wherein the appliance is a
11 printer, and the server computer system converts the information to a print
12 job in a format suitable for printing.

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